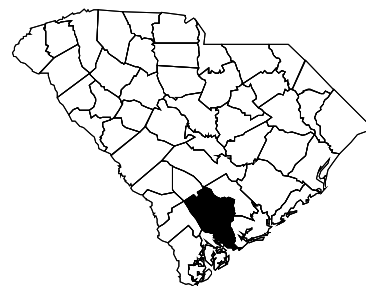


IMPACT OF CHRONIC CONDITIONS COLLETON County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Colleton county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Colleton county's population is similar to the state population. The majority (35%) of the population in Colleton county are between the ages of 18-44, and there are more females (52%) than males (48%). However, Colleton county has a higher minority population (42%) than the state (31%). When adults in DHEC's Region 8 which includes Colleton County, were asked about their general health status, 84.8% reported having excellent, very good, or good health in 2005 (SC was 82%).

	COLLETON COUNTY	STATE
Population size	39,605	4,255,083
Age distribution (%)		
<18	25	24
18-44	35	38
45-64	26	25
65-84	12	11
85+	2	2
Race (%)		
White	58	69
Black & Other	42	31
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Colleton County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	22	22
Sedentary lifestyle	26	26
Overweight	62	65
High Cholesterol	49	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	38.2	.	.	.	.	31.7
Number of hospitalizations	113	81	31	50	63	5,032
Crude rate of hospitalizations (per 100,000)	285	485	135	261	308	118
Median age of hospitalized patients	60	57	67	57	62	57
Total cost of hospitalization (\$)	2,010,000	1,441,400	568,600	1,011,300	998,700	109,400,500
Average length of hospital stay (days)	5	5	6	6	5	5
Number of ED visits	39	28	11	19	20	7,466
Crude rate of ED visits (per 100,000)	98	168	48	99	98	175
Median age of ED patients	52	52	52	47	52	52
Total cost of ED visits (\$)	48,500	40,800	7,700	27,700	20,800	9,929,000
Number of deaths**	6	3	3	4	2	423
Age-Adjusted Death rate (per 100,000)**	15	18	13	21	10	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.8	.	.	.	.	4.1
Number of hospitalizations	788	316	471	397	391	60,901
Crude rate of hospitalizations (per 100,000)	1,990	1,891	2,057	2,075	1,910	1,431
Median age of hospitalized patients	67	65	67	62	67	67
Total cost of hospitalization (\$)	26,640,500	8,565,500	18,075,000	14,577,400	12,063,100	2,286,836,400
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	97	41	55	64	33	12,989
Crude rate of ED visits (per 100,000)	245	245	240	334	161	305
Median age of ED patients	57	57	57	57	57	62
Total cost of ED visits (\$)	527,900	121,200	406,700	236,100	291,800	42,115,900
Number of deaths**	105	44	60	55	50	9,328
Age-Adjusted Death rate (per 100,000)**	252	284	237	311	200	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.6	.	.	.	.	3
Number of hospitalizations	153	71	82	78	75	13,925
Crude rate of hospitalizations (per 100,000)	386	425	358	408	366	327
Median age of hospitalized patients	67	62	67	62	72	72
Total cost of hospitalization (\$)	4,572,400	2,064,300	2,508,100	2,175,200	2,397,200	384,441,600
Average length of hospital stay (days)	7	7	7	6	9	6
Number of ED visits	21	13	8	11	10	2,515
Crude rate of ED visits (per 100,000)	53	78	35	57	49	59
Median age of ED patients	67	67	67	57	75	67
Total cost of ED visits (\$)	98,800	66,600	32,200	41,300	57,500	9,113,000
Number of deaths**	14	10	4	9	5	2,440
Age-Adjusted Death rate (per 100,000)**	35	65	17	51	21	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	301	107	193	125	176	15,753
Crude rate of hospitalizations (per 100,000)	760	640	843	653	860	370
Median age of hospitalized patients	65	57	67	67	62	62
Total cost of hospitalization (\$)	5,893,400	1,771,400	4,122,000	2,536,800	3,356,600	268,425,300
Average length of hospital stay (days)	6	6	6	6	6	5
Number of ED visits	234	144	88	126	108	36,543
Crude rate of ED visits (per 100,000)	591	862	384	658	528	859
Median age of ED patients	32	22	40	22	37	37
Total cost of ED visits (\$)	245,600	160,700	84,900	142,900	102,700	40,613,700
Number of deaths**	16	4	12	8	8	1,968
Age-Adjusted Death rate (per 100,000)**	38	24	43	46	35	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.8	.	.	.	.	10.3
Number of hospitalizations	134	96	38	44	90	9,027
Crude rate of hospitalizations (per 100,000)	338	575	166	230	440	212
Median age of hospitalized patients	52	52	57	55	52	52
Total cost of hospitalization (\$)	2,488,900	1,913,400	575,500	861,000	1,627,900	179,747,700
Average length of hospital stay (days)	6	7	5	6	6	6
Number of ED visits	72	57	15	24	48	9,603
Crude rate of ED visits (per 100,000)	182	341	66	125	235	226
Median age of ED patients	57	57	42	50	57	52
Total cost of ED visits (\$)	111,200	87,400	23,800	39,600	71,600	13,447,300
Number of deaths**	15	8	7	5	10	1,183
Age-Adjusted Death rate (per 100,000)**	36	53	27	25	41	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	207	67	140	97	110	16,389
Crude rate of hospitalizations (per 100,000)	523	401	611	507	537	385
Median age of hospitalized patients	67	67	67	67	62	62
Total cost of hospitalization (\$)	8,451,500	2,428,000	6,023,500	4,045,800	4,405,700	664,309,500
Average length of hospital stay (days)	8	8	8	7	9	8
Number of deaths**	98	35	62	47	51	8,617
Age-Adjusted Death rate (per 100,000)**	226	224	221	250	211	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	20	6	14	6	14	2,070
Crude rate of hospitalizations (per 100,000)	50	36	61	31	68	49
Median age of hospitalized patients	65	57	67	57	70	67
Total cost of hospitalization (\$)	1,325,300	239,800	1,085,500	367,800	957,500	101,377,700
Average length of hospital stay (days)	16	10	19	13	18	10
Number of deaths**	11	5	6	3	8	812
Age-Adjusted Death rate (per 100,000)**	25	32	20	17	31	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	8	6	-	14	1,228
Crude rate of hospitalizations (per 100,000)	68	93	51	-	64	56
Median age of hospitalized patients	62	62	70	-	62	62
Total cost of hospitalization (\$)	249,100	160,100	89,000	-	249,100	26,163,000
Average length of hospital stay (days)	3	3	2	-	3	3
Number of deaths**	5	2	3	-	5	651
Age-Adjusted Death rate (per 100,000)**	20	21	18	-	20	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	-	1	-	1	192
Crude rate of hospitalizations (per 100,000)	5	-	8	-	5	9
Median age of hospitalized patients	32	-	32	-	32	47
Total cost of hospitalization (\$)	17,200	-	17,200	-	17,200	4,668,500
Average length of hospital stay (days)	9	-	9	-	9	4
Number of deaths**	-	-	-	-	-	63
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	36	7	29	15	21	2,181
Crude rate of hospitalizations (per 100,000)	91	42	127	78	103	51
Median age of hospitalized patients	67	67	67	67	67	67
Total cost of hospitalization (\$)	1,255,300	190,400	1,064,900	446,800	808,500	92,775,300
Average length of hospital stay (days)	7	5	8	5	9	9
Number of deaths**	35	9	25	17	18	2,703
Age-Adjusted Death rate (per 100,000)**	80	60	88	84	77	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	18	9	9	18	-	1,209
Crude rate of hospitalizations (per 100,000)	94	111	81	59	-	58
Median age of hospitalized patients	62	62	62	62	-	62
Total cost of hospitalization (\$)	434,600	196,700	237,900	434,600	-	30,356,600
Average length of hospital stay (days)	3	4	2	3	-	4
Number of deaths**	4	3	1	4	-	460
Age-Adjusted Death rate (per 100,000)**	29	55	14	29	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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